

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(Pursuant to NAC 445A.236)

Permittee Name: Waste Management Inc., Refuse Inc.
100 Vassar Street
Reno, NV 89512

Permit Number: NV0022977

Location: Sage Street Transfer Station,
Collection and Maintenance Facility
1390 East Commercial Row
Reno, Washoe County, Nevada

Latitude 39° 32' 05" N, Longitude 119° 47' 40" W
Township 19E, Range 19N, Section 12

Description of Discharge:

Waste Management Inc., Refuse Inc. has requested modification of permit NV0022977 to more accurately reflect the physical characteristics of the subject site, and to correct typographical errors associated with the issuance of the permit on December 23, 2005.

The Waste Management facility is a solid waste transfer facility with municipal waste recycling and onsite vehicle maintenance. The facility is located on the north bank of the Truckee River just east of Sutro Street at 1390 East Commercial Row in Reno, Nevada. Constructed berms protect the facility from bank flooding during high water levels in the river. There is a vehicle maintenance shop and a vehicle wash pad which discharge to the sanitary sewer.

The principal component of the discharge is expected to be intercepted uncontaminated groundwater from dewatering activities. During exceptional high river-flow events, the groundwater in the area of the facility may rise and produce flow in the pump station due to infiltrating groundwater. The groundwater dewatered from the site is designated Outfall 001.

Stormwater may be an additional component of discharge. All of the transfer operations and recycling activities occur in covered facilities so the only potential for impact to the stormwater would be from incidental materials dropped from transportation vehicles and/or minor oil leaks in the transportation equipment. The stormwater is treated in oil/water separators prior to discharging to leachfields during design rainstorm events. The parking lots are sloped to drop inlets which discharge to five leachfields through five oil/water separators. Additionally, stormwater from the facility truck pad areas is collected in four drain interceptors (DI), and is discharged to two separate drain fields (two DIs per leach field). The discharge to groundwater through the five sand/oil separators and ultimately to the five leachfields is designated Outfall 002.

The leachfields are designed to handle rainstorm events of 1/4" to 1/3", which constitutes what is described as the "first flush". After the first flush, stormwater bypasses the oil/water separator leachfields and discharges to the river either by over flow pipes or by the pump station. The

pump system will pump excess stormwater or groundwater to the Truckee River. There are six outfall pipes which discharge to the river. This component of discharge to the Truckee River is designated Outfall 003.

Receiving Water Characteristics:

The discharge is to the Truckee River and must meet the river standards at East McCarran NAC 445A.186. The beneficial uses of the Truckee River include municipal or domestic supply, propagation of fish, and aquatic life. This stretch of the Truckee River meets Requirements to Meet Higher Quality (RMHQs). The groundwater is of good quality and will be monitored to ensure degradation does not occur.

Discharge Characteristics

During the term of the current permit, there have been no discharges to the Truckee River from Outfall 001 and Outfall 003. Total Petroleum Hydrocarbon (TPH) testing of Outfall 002 (water from the oil/water separators pumped to the leach field for groundwater discharge) indicates an average of 4.88 mg/l. Testing of monitor wells MW-1 through MW-5 has indicated no impact to groundwater.

Proposed Effluent Limitations, Special Conditions, and Rationale for Permit Limitations:

Discharges under this permit shall be monitored and limited according to the following Table:

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	Annual Average	Daily Maximum	Outfall	Measurement Frequency	Sample Type
Flow (MGD)	Monitor and Report		001	Continuous	Flow Meter
Total Suspended Solids (mg/l)	15	---	001	Quarterly	Discrete
pH (Standard Units)	7.0 to 8.5		001	Quarterly	Discrete
Fecal Coliform (CFU/100 mg)	75 ⁽¹⁾	350	001	Quarterly	Discrete
Total Phosphates as P (mg/l)	0.05	---	001	Quarterly	Discrete
Total Nitrogen as N (mg/l)	0.3	0.43	001	Quarterly	Discrete
Total Dissolved Solids (mg/l)	90	120	001	Quarterly	Discrete
Total Petroleum Hydrocarbons (TPH) (mg/l)	Monitor & Report		001	Quarterly	Discrete
	Monitor & Report	15	002 ⁽²⁾	Each Rain Event Exceeding 0.25 Inches/Day	Discrete
	---	1	003 ⁽²⁾	Each Discharge Event	Discrete
Daily Rain Fall (inches)	---	Monitor & Report	Rain Gauge	Daily	Discrete

(1) Average Geometric Mean

(2) Stormwater flows shall be sampled when present at a frequency of not more than quarterly

Groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 shall be monitored and limited according to the following Table:

PARAMETER	LIMITATION	FREQUENCY	SAMPLE TYPE
Depth to Groundwater (feet)	Monitor and Report	Annually	Discrete
Groundwater Elevation (feet AMSL)	Monitor and Report	Annually	Calculate
Total Petroleum Hydrocarbons (mg/l)	10	Annually	Discrete
Chlorides (mg/l)	Monitor and Report	Annually	Discrete
Total Dissolved Solids (mg/l)	Monitor and Report	Annually	Discrete

Rationale for Permit Requirements

Outfall 001: Outfall 001 will be monitored and limited for the following reasons:

Flow: Flow is monitored to assess the volume of discharge to the Truckee River.

Total Suspended Solids: Total Suspended Solids (TSS) is monitored to ascertain that this discharge does not violate the water quality standards of the Truckee River for this parameter (NAC 445A.186). There is currently not enough data to evaluate potential impacts.

pH: Monitoring required to ascertain that this discharge does not violate the water quality standards of the Truckee River for this parameter (NAC445A.186). There is currently not enough data to evaluate potential impacts.

Fecal Coliform: Monitoring required to ascertain that this discharge does not violate the water quality standards of the Truckee River for this parameter (NAC445A.186). There is currently not enough data to evaluate potential impacts.

Total Phosphates as P: This load is considered de minimus; therefore, this limit will be in place until the ongoing evaluation of the TMDL is complete. The Permittee may be required to obtain a Waste Load Allocation (WLA) in the future.

Total Nitrogen as N: This load is considered de minimus; therefore, this limit will be in place until the ongoing evaluation of the TMDL is complete. The Permittee may be required to obtain a WLA in the future.

Total Dissolved Solids: Monitoring is required to evaluate the need for a WLA. There is not enough data to adequately define a WLA.

Outfall 002 and Outfall 003: Outfalls 002 and 003 will be monitored and limited for the following reasons:

Total Petroleum Hydrocarbons: This limit is established on sound engineering judgment based on the efficiency of oil/water separators.

Schedule of Compliance

The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.

Within 60 days of permit issuance, the Permittee shall provide any updates to the dewatering and stormwater facility Operations and Maintenance (O&M) Manual.

Proposed Determination

The Division has made the tentative determination to renew the permit, subject to permit limitations and requirements.

Procedures for Public Comment:

The notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit is being sent to the **Reno Gazette-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. In order to be considered, written comments must be hand-delivered, sent via mail (postmarked), emailed or faxed no later than **5:00 P.M. on September 19, 2007**. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445.150.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445.274.

July 2007